

Khalil Amine

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Professional Experience

- 1998-present: Argonne National Laboratory
 - Develop high-power batteries for hybrid electric vehicles (HEVs)
 - Develop advanced materials for use in electric vehicle and satellite batteries
- 1994-1998: Japan Storage Battery Company, Kyoto, Japan
 - Developed advanced batteries for HEVs, satellites, and consumer products
 - Developed new materials for next-generation batteries and battery systems
- 1991-1994: Osaka National Research Institute, Osaka, Japan
 - Developed polymer-electrolyte fuel cells for stationary and automotive applications
 - Investigated new highly active catalysts for hydrogen and oxygen conversion in fuel cell systems
- 1990-1992: Kyoto University, Kyoto, Japan
 - Developed new graphic intercalation compounds for applications as electrodes for primary and secondary batteries
- 1990: Louven Catholic University, Louven, Belgium
 - Investigated the thermal properties of intercalated carbon fiber for military and space applications
- 1980-1990: University of Bordeaux, Bordeaux, France
 - Studied new superconducting oxide materials for microelectronics applications

Professional Society Activities

- Japan Electrochemical Society
- Japan Storage Battery Association
- Electrochemical Society (referee, Journal of the Electrochemical Society)
- American Chemical Society (referee)

Education

- PhD and MS, Materials Science, University of Bordeaux, France
- BS, Physics and Chemistry, Marrakech Science University, Marrakech, Morocco

Awards

- R&D 100 Award, 2005
- Scientific American 50 Award, 2003
- Pacesetter Award, Argonne National Laboratory, 1999
- U.S. Department of Energy Certificate of Appreciation, 1999
- Japan Storage Battery Corporation, First Prize, 1995, 1996
- Japanese Science and Technology Agency Award, 1992
- Japan Society for the Promotion of Science Award, 1990
- Louven Catholic University/NATO Award, 1990
- French National Center for Scientific Research Award, 1989

Patents and Publications

- 82 patents and inventions